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 Dynamic Modeling of Advanced Inverter)
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Notice of Staff Workshop

Dynamic Modeling of Advanced Inverter Functions

Energy Commission staff in collaboration with staff from Southern California Edison (SCE) will conduct a public workshop to discuss results from an advanced inverter pilot study. The workshop will be held:

January 26, 2017
 9:00 am
 CALIFORNIA ENERGY COMMISSION
 1516 Ninth Street
 First Floor, Art Rosenfeld Hearing Room
 Sacramento, California
 Wheelchair Accessible

Remote Access Available by Computer or Phone via WebEx™
 (Instructions below)

Background

In 2012, the Energy Commission initiated a study with SCE to examine the scenario of integrating 4,800 megawatts of distributed energy resources at the distribution system level across the SCE system.

Building on that work, additional analysis and a pilot project focused on a small section of SCE's service territory within the San Joaquin Valley to determine, in part, the mitigating impact of advanced inverters on the distribution system under a range of distributed energy resources forecasts.

This analysis used a static or "snapshot" modeling approach on feeders with peak and minimum loads, and showed that adjusting the real power factor decreased system upgrade costs. The report can be located here:

<http://www.energy.ca.gov/publications/displayOneReport.php?pubNum=CEC-200-2016-004>.

Agenda

This workshop will discuss the latest study results using dynamic modeling to stimulate real-time conditions and the expanded use of advanced inverter functionalities with communication controls as put forth by the Smart Inverter Working Group. The results will be used to assess the value of smart inverters in the distribution resource plans of SCE, and to compare with the previous static modeling results.

Public Comment

Staff will accept oral comments during the workshop. Comments may be limited to three minutes per speaker. Any comments may become part of the public record in this proceeding.

Written comments will be accepted at the workshop. Additionally, written comments can be submitted via e-mail to Brian McCollough by 5:00 p.m. on February 26, 2017. Please include your name and any organization name. Comments should be in a downloadable, searchable format such as Microsoft® Word (.doc) or Adobe® Acrobat® (pdf). Please indicate "Dynamic Modeling of Advanced Inverter Functions" in the subject line. This information may become part of the viewable public record and made available via Google, Yahoo, and any other search engines.

Public Adviser and Other Commission Contacts

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission proceedings. If you want information on how to participate in this forum, please contact the Public Adviser, Alana Mathews, at PublicAdviser@energy.ca.gov or (916) 654-4489, or toll free at (800) 822-6228.

If you have a disability and require assistance to participate, please contact the Exams Unit at (916) 653-6532 at least five days in advance.

Media inquiries should be sent to the Media and Public Communications Office at mediaoffice@energy.ca.gov or (916) 654-4989.

If you have questions on the subject matter of this meeting, please contact Brian McCollough, brian.mccollough@energy.ca.gov or (916) 653-1648.

Remote Attendance

You may participate in this meeting through WebEx, the Energy Commission's online meeting service. Presentations will appear on your computer screen, and you may listen to audio via your computer or telephone. Please be aware that the meeting may be recorded.

To join a meeting:

VIA COMPUTER: Go to <https://energy.webex.com> and enter the unique meeting number: 921 407 673. When prompted, enter your name and the following meeting password: meeting@9.

The “Join Conference” menu will offer you a choice of audio connections:

1. To call into the meeting: Select "I will call in" and follow the on-screen directions.
2. International Attendees: Click on the "Global call-in number" link.
3. To have WebEx call you: Enter your phone number and click "Call Me."
4. To listen over the computer: If you have a broadband connection, and a headset or a computer microphone and speakers, you may use VoIP (Internet audio) by going to the Audio menu, clicking on “Use Computer Headset,” then “Call Using Computer.”

VIA TELEPHONE ONLY (no visual presentation): Call 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the unique meeting number: 921 407 673. International callers may select their number from <https://energy.webex.com/energy/globalcallin.php>.

VIA MOBILE ACCESS: Access to WebEx meetings is available from your mobile device. To download an app, go to www.webex.com/products/web-conferencing/mobile.html.

If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239.

Availability of Documents

Documents and presentations for this meeting will be available online at: <http://www.energy.ca.gov/assessments/notices/>

November 2, 2016

Signature on file

Sylvia Bender
Deputy Director

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